

20000130.qrp v01_n716.qrl.20000130

Date: Sun, 30 Jan 2000 19:03:13 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1716

QRP-L Digest 1716

Topics covered in this issue include:

- 1) [61614] FS: MFJ 9020/tuner/power supply
by Gary Slagel <gdslagel@yahoo.com>
- 2) [61615] Trade Tentec Omni A for QRP
by "Dennis Brickey" <n4dd@preferred.com>
- 3) [61616] Re: Edsyn Soldering Station on sale at www.radioshack.com
by The Boices <kw1nd@arrl.net>
- 4) [61617] Denoting fractional power with CW
by Elda & Doug Wilson <ewilson@nccn.net>
- 5) [61618] Technology: Swap Meet., Audio Filters, Home Networks
by "James R. Duffey" <jamesd1@flash.net>
- 6) [61619] MFJ - 259
by Richard R Riordan <mrzip@sssn.net>
- 7) [61620] Re: Antenna Polarization on VHF in General and other observations
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 8) [61621] Re: MFJ - 259
by Roger Hightower <n7kt@earthlink.net>
- 9) [61622] KITS: KnightSmite
by lnrr@juno.com
- 10) [61623] FOX: Final Log - KF2PH - 01/28/00 UTC
by "Franco, Nicholas J" <franco@bnl.gov>
- 11) [61624] Re: MFJ - 259
by S LYON <sslyon@worldnet.att.net>
- 12) [61625] HB:30 meters
by Wa3ptg@aol.com
- 13) [61626] Re: Denoting fractional power with cw
by "Paul R. Valko" <prvalko@oakland.edu>
- 14) [61627] Re: Antenna Polarization on VHF in General and other observations
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 15) [61628] Re: Antenna Polarization on VHF in General and other observations
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 16) [61629] Re: OT: Old Call Book Lookup Assistance Requested
by "Ron Smith" <resmith666@uswest.net>
- 17) [61630] Re: MFJ - 259
by Corky Kirk <w6ors@juno.com>
- 18) [61631] Re: MFJ - 259
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 19) [61632] Keyer Question - Modular Systems

- by w2xn@juno.com
- 20) [61633] Re: OT: Old Call Book Lookup Assistance Requested
by tbessler@OregonVOS.net (Tom Bessler)
 - 21) [61634] Hi-Band module for Sierra
by Bob Kellogg <ae4ic@nr.infi.net>
 - 22) [61635] Re: Denoting fractional power with cw
by Bob Kellogg <ae4ic@nr.infi.net>
 - 23) [61636] Everyone still here??
by "Mont Pierce, KM6WT" <mont@inreach.com>
 - 24) [61637] Re: Antenna Polarization on VHF in General and other
observations
by "Sylvester, 9M8SL" <cqsly@tm.net.my>
 - 25) [61638] HB: RF transistors
by Wa3ptg@aol.com
 - 26) [61639] Re: Denoting fractional power with cw
by Bob Patten <n4bp@bc.seflin.org>
 - 27) [61640] HELP!--Need Your Club News :-)
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
 - 28) [61641] Knight-Smite Kit anyone?
by "Ralf K. Buschner" <r_buschner@knuut.de>
 - 29) [61642] N4NMR (Michael) Coming to SF in two weeks
by "Michael Bower - N4NMR" <bowerm@ix.netcom.com>
 - 30) [61643] Poqet on HF on CW and RTTY
by Ronnie Davis <ke4vpn@yahoo.com>
 - 31) [61644] FS/T: HB Tuner or parts
by "Tim Cook" <timcook@erinet.com>
 - 32) [61645] Re: MFJ - 259
by Thomas Isgro <k8cz@concentric.net>
 - 33) [61646] CELTICON - Update
by "George Dobbs" <g3rjv@gqrp.demon.co.uk>
 - 34) [61647] QRP Get-together
by Bruce Rattray <ratttray@gpfn.sk.ca>
 - 35) [61648] 160m test results
by Monte Stark <ku7y@dri.edu>
 - 36) [61649] Re: MFJ - 259
by "Dan W. Dooley" <dandooley@pipeline.com>
 - 37) [61650] Portable Antenna splices
by Stan Yarema <bg783@scn.org>
 - 38) [61651] FOXHUNT:Team Scores
by Bruce Rattray <ratttray@gpfn.sk.ca>
 - 39) [61652] Re: Denoting fractional power with cw
by "Dan W. Dooley" <dandooley@pipeline.com>
 - 40) [61653] Ooops. Sorry!
by "Dan W. Dooley" <dandooley@pipeline.com>
 - 41) [61654] Re: Denoting fractional power with cw
by William Austin <kd5ihc@earthlink.net>
 - 42) [61655] Skunk Report
by Pete Burbank <plburbank@kih.net>

43) [61656] 10 Meters!!!!
by osier <osier@northnet.org>
44) [61657] Nice Morning
by Jeff Davis <jeff@n9avg.org>
45) [61658] Re: MFJ - 259
by Thomas Isgro <k8cz@concentric.net>
46) [61659] CW Filter Bandwidth
by "Dan W. Dooley" <dandooley@pipeline.com>
47) [61660] Re: CW Filter Bandwidth
by Brian Short <bshort@speedchoice.com>
48) [61661] HB Spectrum Analyzer
by Bob Kellogg <ae4ic@nr.infi.net>
49) [61662] My antenna is smaller than yours, or, oh oh, cat is out of the bag!
by Bob Kellogg <ae4ic@nr.infi.net>
50) [61663] FS- SW40+ Elmer 101 Tranceiver kit
by Bob Kellogg <ae4ic@nr.infi.net>
51) [61664] KENWOOD 570 AND TUNING AN AMP
by "Richard Williams" <richard.a.williams@attcanada.net>
52) [61665] July is QRP Outdoor Hamfest month
by jaywa5whn@juno.com
53) [61666] Re: MFJ - 259
by "Bob Tellefsen" <n6wg@earthlink.net>
54) [61667] Re: KENWOOD 570 AND TUNING AN AMP
by "Dan W. Dooley" <dandooley@pipeline.com>
55) [61668] Re: CW Filter Bandwidth
by "Bob Tellefsen" <n6wg@earthlink.net>
56) [61669] Re: CW Filter Bandwidth
by "Dan W. Dooley" <dandooley@pipeline.com>
57) [61670] Re: CW Filter Bandwidth
by "Nick Kennedy" <nkennedy@tcainternet.com>
58) [61671] SW-40+ sold
by Bob Kellogg <ae4ic@nr.infi.net>
59) [61672] Take some load off QRP-L
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
60) [61673] Fox: Groundhog's Day
by "Paul Helbert, Wv3j" <phelbert@rica.net>
61) [61674] 160 Meter...ME to TX...5 watts...
by "Steve Hanson" <ke1lg@qsilver.net>
62) [61675] Re: Poqet on HF on CW and RTTY
by "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
63) [61676] Re: 160 Meter...ME to TX...5 watts...
by "John A. Evans - N0HJ" <jae@codenet.net>
64) [61677] 160m contest period?
by "Bob Tellefsen" <n6wg@earthlink.net>
65) [61678] Re: Headphones & Hearing Aids
by Drbob92031@aol.com
66) [61679] Silicon zip line loss measurements
by Goran Hosinsky <hosinsky@jet.es>

- 67) [61680] Re: CW Filter Bandwidth
by "James R. Duffey" <jamesd1@flash.net>
68) [61681] Qrpers in WNC?
by "ME Pendergast" <kt4an@hotmail.com>
69) [61682] Re: 160m contest period?
by Marty Watt <N5NW@midsouth.rr.com>
70) [61683] Extra class study manual??
by "ME Pendergast" <kt4an@hotmail.com>

Date: Sat, 29 Jan 2000 16:57:42 -0800 (PST)
From: Gary Slagel <gdslagel@yahoo.com>
To: qrp-l@Lehigh.EDU
Cc: Keith Doughty <kdoughty@gwtc.net>
Subject: [61614] FS: MFJ 9020/tuner/power supply
Message-ID: <200001300005742.8070.qmail@web213.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi guys...

I've had to downsize my qrp equipment for backpacking.
Am selling my first qrp station, purchased new about
a year ago (its first big operation was fybo 1999).

So... this is the whole setup. The mfj9020
transceiver, tuner, power supply and even still have
the 20 meter dipole, still in the bag. All original
manuals. No nicads in the power supply cuz I never
bought any.

Its a nice little 20 meter setup. I put a picture of
it out at:

www.fortunecity.com/marina/sanpedro/351/scratch/mfjrig.jpg

\$165 for all, I'll ship CONUS. Will consider selling
as pieces if the whole thing doesn't sell.

73, Gary

=====

Gary Slagel/N0SXX
Conifer, CO 80433
gdslagel@yahoo.com
Personal Website: <http://marina.fortunecity.com/sanpedro/351>

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Sat, 29 Jan 2000 19:57:00 -0500
From: "Dennis Brickey" <n4dd@preferred.com>
To: <qrp-1@lehigh.edu>
Subject: [61615] Trade Tentec Omni A for QRP
Message-ID: <001901bf6abc\$eb9a0a00\$d90d1bd0@n4dd>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Gang!
I am craving a nice qrp rig. I have a Tentec Omni A with two crystal filters that I would like to trade for/toward this qrp rig. I am seeking something multiband and in nice condition. The Omni A is a 100 watt rig with a very hot receiver. Please reply via e-mail with details. Many thanks for the airspace.
Dennis/N4DD

Date: Sat, 29 Jan 2000 20:16:26 -0500
From: The Boices <kw1nd@arrl.net>
To: prm@hiwaay.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61616] Re: Edsyn Soldering Station on sale at www.radioshack.com
Message-ID: <3.0.6.32.20000129201626.007a2ae0@pop.megalink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 17:54 00/01/29 -0600, Richard Matthews wrote:
>You guys make it rough on a fellow. I have been thinking that if I am to
>build a K2, I'll need one of those new temp controlled soldering stations .
>. I just ordered the Edsyn.

That's exactly what I did last spring, when Tech America had the Edsyn's for half price. Real nice unit, sweet to use. Made a nice companion to my K2. Wellers are nice, too, but this one is hard to beat for the price.

Another fellow mentioned the 951SX for SMT work: add a few accessories, and you've got a real workhorse in one station. I don't do SMT stuff right now, but who knows what splendid kits may come out in the next couple of years.

72,

Mike Boice, KW1ND
New Gloucester, Maine FN43uw

Date: Sat, 29 Jan 2000 17:18:26 -0800
From: Elda & Doug Wilson <ewilson@nccn.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61617] Denoting fractional power with CW
Message-ID: <38939162.C70687FB@nccn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

Alex wrote:

What is the accepted way to send ur power out to the other station when it is in fractions of watts. How would you send 1.5 watts and say 250mw. I guess my question is really how to denote the decimal point.

Alex,N4BYJ

Hi, Alex,

I would use an "R" for the point, as in 1 R 5 . R stands for a period or point and can be found in the accepted list of abbreviations. If the receiving station cannot understand that, just spell out "dot".

For the other one I send it as you have it. 250 mw .

I'm not sure that is the best ways to do it, but it works for me.

72, Doug k6rpn

Date: Sat, 29 Jan 2000 18:37:03 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: qrp-l@lehigh.edu
Subject: [61618] Technology: Swap Meet., Audio Filters, Home Networks
Message-ID: <200001300137.TAA12689@chupacabras.flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

All - I had a nice day at the technology trough.

The Albuquerque midwinter swap meet was held today. I went and saw some fellow QRPers; Tom WB5QYT, Gary W5BI, and Jay WA5WHN. I bought a Timewave 9 digital signal processor for \$50. Tom had a nice haul of stuff including an MFJ 259. Gary had a new job and Jay had an audience.

I added the Timewave 9 to my audio filter collection. I have not had a lot of time to use it, but it is a very impressive filter so far. It may replace my DaTong FL-3 as my favorite audio filter. Some of you may remember my rundown of audio filters that I posted a bit ago. I will redo that after I have run the Timewave through its paces, but it is fast becoming my favorite.

I also managed to hook my home computers together in a network. I am a MacAddict. I recently purchased a G-3, but needed to access some old files and use the printer on my old Macs. I fished an old Shiva FastPath 4 box out of the trash at work. This connected my new ethernet computer with my old localtalk computers. It took a bit of fiddling, but I finally got it up and working. Like most electronic problems it was a connection issue. - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sat, 29 Jan 2000 20:33:01 -0500
From: Richard R Riordan <mrzip@sssnet.com>
To: qrp-l@Lehigh.EDU
Subject: [61619] MFJ - 259
Message-ID: <389394CD.4DEE@sssnet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang!

Is the MFJ 259 worth the money? Will soon be able to afford one.
Thanks for the BW.

Dick - W8RAD

Date: Sat, 29 Jan 2000 19:52:30 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61620] Re: Antenna Polarization on VHF in General and other observations
Message-ID: <001101bf6ac4\$abbd2fe0\$d9773ed8@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

This is all true but with one exception. On 6m many, but not all, contacts are made via skywave. On skywave signals the polarization usually gets shifted around making any polarization useable as long as angle of radiation issues are taken into consideration.

More to the point, if all you have is a vertical whip for 6m SSB/CW don't despair, skywave contacts are still possible.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://home.swbell.net/aa5tb>

----- Original Message -----

From: <wb2vuo@juno.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Friday, January 28, 2000 9:22 AM
Subject: Antenna Polarization on VHF in General and other observations

> With the question of polarization on 6 Meters, let me make this general
> observation, based on 3+ decades of VHF/UHF/Microwave work:
>
> FM is Vertically polarized
>
> SSB/CW & AM are Horizontally polarized
>
> If you use the other polarization, you lose alot of signal (20 dB or so)
>
> Vertical antennas pick up scaanner and cordless phone noise far louder

> than Horizontal antenna do.
>
> VHF+'ers consider SSB & CW to be "weak signal" work, and they DO hear QRP
> signals just fine!
>
> A 5 x 0 report is legit
>
> So, put your SSB or CW antennae up high and horizontally polarized! Know
> your grid square as you WILL be asked for it! (You can get it off
> Buckmaster or QRZ, Zip Code-based, but close enough for most awards...)
>
>
> 72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
> VP & FD'00 Chairman, Brockport Amateur Radio Klub
> My night light runs more power than my Rig!!!
> Replies off-list to: wb2vuo@arrl.net
>
>
> -----
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!
> Juno now offers FREE Internet Access!
> Try it today - there's no risk! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.

Date: Sat, 29 Jan 2000 18:58:27 -0700
From: Roger Hightower <n7kt@earthlink.net>
To: mrzip@sssnet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61621] Re: MFJ - 259
Message-ID: <38939AC3.1FC1E73E@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Absolutely worth the money. It's right up there with the AADE L/C meter
as a "must have" in the shack.

--
72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591

Date: Sat, 29 Jan 2000 20:09:21 -0600
From: lnrr@juno.com
To: qrp-1@Lehigh.EDU

Subject: [61622] KITS: KnightSmite
Message-ID: <20000129.200922.-246381.17.lnrr@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Since there has been some interest in obtaining the now-unavailable KnightSmite kit I decided to put mine on Ebay (at \$9.00 starting price).
<http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=249098747>

I got fed up (for the time being, anyway) with surface mount after I had a LOT of trouble with another unrelated surface mount project, so I never finished my KnightSmites.

73,
Bryan Turner W8LN
<http://homestead.juno.com/lnrr/index.html>

Date: Sat, 29 Jan 2000 21:11:22 -0500
From: "Franco, Nicholas J" <franco@bnl.gov>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [61623] FOX: Final Log - KF2PH - 01/28/00 UTC
Message-ID: <698DB793D712D31180B600902746422D50BBE0@exchange01.bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain

OK gang - here's the final log. Thank you again for a great hunt and a truly awesome experience. You all were great!

FOXHUNT LOG FOR KF2PH - 01/28/00 0200-0400 UTC

1	0202	N1TP	559	FL	TOM	1317
2	0203	N0EA	559	MO	WAYNE	1058
3	0204	K0EVZ	579	ND	DOC	861
4	0206	WD8KQY	579	OH	GARY	446
5	0207	N0DT	569	MO	DAN	1004
6	0209	N1LN	579	TX	BRUCE	2049
7	0210	KA1DDB	559	MI	MIKE	2064
8	0211	N5TW	559	TX	TOM	1474
9	0212	K8CV	579	MI	WALT	935
10	0214	K1JD	569	RI	JOHN	1945

11	0215 KU4AF	579	NC	JOHN	987	
12	0216 KU7Y 559	NV	RON	17		
13	0217 W0RSP	559	SD	ADE	661	
14	0218 WS4S 559	TN	CONRAD	993		
15	0219 VE1MT	579	NS	LAYTON	1448	
16	0220 W5SB 559	TX	BILL	1289		
17	0222 W0CH 559	MO	DAVE	618		
18	0224 K5LN 559	TX	BILL	1794		
19	0225 AB8DF	579	MI	ED	1444	
20	0227 AF4PS	569	FL	MAC	704	
21	0228 AB5UA	579	OK	CLIF	478	
22	0230 N0EHW	559	MO	TIM	2047	
23	0231 N0AR 579	MN	SCOTT	1455		
24	0232 K0PC 569	MN	PAT	1964		
25	0234 W0RW 559	CO	PAUL	1284		
26	0235 KB9IUA	589	IL	KEVIN	384	
27	0236 K10J 559	TX	OJ	732		
28	0237 NV4V 589	KY	PETE	1721		
29	0239 K5ZTY	579	TX	BILL	473	
30	0240 NQ7X 559	AZ	FLOYD	343		
31	0241 N5LU 569	OK	BILL	2009		
32	0242 K5AAR	569	OK	DON	1512	
33	0245 N8IE 559	OH	DAN	1404		
34	0247 N9AW 579	WI	JERRY	1271		
35	0248 WB8RCR	579	MI	JOHN	1446	
36	0249 W2UX 569	SC	GARY	593		
37	0251 K1MG 559	CA	MIKE	614		
38	0253 K7RE 579	AZ	BRIAN	404		
39	0254 N9QIL	579	IN	KEN	1416	
40	0256 VE5RC	339	SK	BRUCE	886	
41	0258 W2XN 579	FL	FRED	1728		
42	0259 AJ4Y 569	FL	PAUL	1795		
43	0300 AF5Z 569	TX	BOB	984		
44	0302 AE4Y 559	GA	KENT	844		
45	0303 W0JOE	449	CO	JOE	1901	
46	0304 N4ROA	579	VA	DAN	970	
47	0306 K50T 569	TX	LARRY	5W	**	NO QRP-L NR
48	0308 VE6EWM	559	AB	EARL	1076	
49	0311 KK5LD	449	TX	DAN	2052	
50	0312 AA0ZZ	559	MN	CRAIG	1238	
51	0314 K5JHP	559	TX	BILL	825	
52	0314 N5IW 559	TX	DAVE	1718		
53	0316 AB7CE	449	MT	ROY	1494	
54	0319 AF4PP	559	GA	CHUCK	785	
55	0320 AF4LQ	559	KY	MIKE	1395	
56	0321 KI7MN	559	AZ	BOB	271	
57	0322 W5TFB	579	TX	JACK	282	
58	0326 KI0II	569	CO	RON	928	

59	0331	W1XT	579	AZ	BOB	262	
60	0332	N7GS	579	FL	MAL	815	
61	0334	AE2T	559	NY	AL	1664	
62	0336	WE6W	449	CA	ED	1068	
63	0338	NY3M	559	MD	BILL	1899	
64	0341	K50I	559	NM	TIM	73	
65	0343	W5HNS	559	TX	HENRY	178	
66	0346	W0DC	449	MN	JOHN	1945	
67	0349	KQ5U	569	TX	TERRY	1603	
68	0352	NK6A	339	CA	DON	1517	
69	0355	W5YR	559	TX	GEORGE	1373	
70	0359	KC1FB	559	CT	JIM	29	

THAT'S ALL FOLKS!

Date: Sat, 29 Jan 2000 21:18:32 -0500
 From: S LYON <sslyon@worldnet.att.net>
 To: mrzip@sssnet.com
 Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
 Subject: [61624] Re: MFJ - 259
 Message-ID: <38939F78.96168FB5@worldnet.att.net>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit

Unqualified YES. The newest version is even better than my oldie and
 IMHO no serious ham should be without one. Great learning tool and
 trouble-shooter.

72
 AA1MY

Richard R Riordan wrote:

> Gang!
 >
 > Is the MFJ 259 worth the money? Will soon be able to afford one.
 > Thanks for the BW.
 >
 > Dick - W8RAD

Date: Sat, 29 Jan 2000 21:46:14 EST
 From: Wa3ptg@aol.com

To: qrp-1@lehigh.edu
Subject: [61625] HB:30 meters
Message-ID: <ac.a23d61.25c4fff6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

OK.
Here's another troll.

I'm looking for plans for simple homebrew equipment for 30 meters. The key word here is homebrew. I don't want a kit, I don't want commercial equipment. I have the W1FB books, and most of the stuff on the web. Haven't seen any magazines except the first NJQRP Homebrewer.

To sum up: simple...homebrew...30 meters.

Email me direct, I'll post a summary. Thanks.

Soon to be on 80 meters!
72 DE WA3PTG
Harry (Hap) Hurst
Wilmington DE

Date: Sat, 29 Jan 2000 21:53:44 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: Alex <aturner13@mindspring.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61626] Re: Denoting fractional power with cw
Message-ID: <Pine.OSF.4.20.0001292152280.8243-100000@saturn3.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 29 Jan 2000, Alex wrote:

> What is the accepted way to send ur power out to the other station when it
> is in fractions of watts. How would you send 1.5 watts an

pwr abt 2w

> and say 250mw. I

prw 250 mw

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics.
Visit the Virtual Ten*Tec Museum at:
<<http://www.acs.oakland.edu/~prvalko>>

Date: Sat, 29 Jan 2000 18:02:35 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: aa5tb@swbell.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61627] Re: Antenna Polarization on VHF in General and other observations
Message-ID: <3893A9CB.815A7B41@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Steve Yates, AA5TB" wrote:
> More to the point, if all you have is a vertical whip for 6m SSB/CW don't
> despair, skywave contacts are still possible.

In the last cycle I used my Larsen 5/8 wave mag-mount 2 meter antenna on 6 meters. If you put an MFJ-259 on one it will resonate very nicely on 6 meters-no tuner needed. I ran mobile during the day using that 5/8 wave antenna and made a bunch of contacts with my Icom IC-551 at about 10 watts SSB.

73, Jim

--

Jim Larsen, AL7FS ex-WA0LPK <http://www.qsl.net/al7fs/>
Anchorage, Alaska <mailto:al7fs@qsl.net>
ICQ 11022915 (ICQ info at <http://www.icq.com/>)

Date: Sat, 29 Jan 2000 21:35:48 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: al7fs@pobox.alaska.net, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61628] Re: Antenna Polarization on VHF in General and other observations
Message-ID: <[006701bf6ad3\\$19f9aca0\\$d9773ed8@aa5tb](mailto:006701bf6ad3$19f9aca0$d9773ed8@aa5tb)>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Hi Jim,

I've noticed that too. Most 2m 5/8 wavelength mobile antennas load nicely as a slightly shortened and loaded 1/4 wavelength antenna for 6m.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://home.swbell.net/aa5tb>

Date: Sat, 29 Jan 2000 21:01:18 -0700
From: "Ron Smith" <resmith666@uswest.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61629] Re: OT: Old Call Book Lookup Assistance Requested
Message-ID: <003d01bf6ad6\$aaa13360\$0200000a@NET.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all for the assistance. It looks like we finally have it figured out.

72 all around

Ron Smith - KD7VD - Boise, Idaho

Date: Sat, 29 Jan 2000 17:56:56 -1000
From: Corky Kirk <w6ors@juno.com>
To: qrp-1@lehigh.edu
Subject: [61630] Re: MFJ - 259
Message-ID: <20000129.181127.-1007285.4.w6ors@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

1-29-00

Dick,

To me it's the only way to fly. I have LOTS of Antenna devices that are suppose to help with antenna problems, and of the many, the MFJ-259 is by far the best I've ever had. Here in Hilo Hawaii, most of the "antenna

people" have the MFJ and not one of them wants to take advantage of the "return-no matter what" policy.

Go for it!

Corky W6ORS

Hilo HI

On Sat, 29 Jan 2000 20:33:01 -0500 Richard R Riordan <mrzip@sssnet.com> writes:

> Gang!

>

> Is the MFJ 259 worth the money? Will soon be able to afford one.

> Thanks for the BW.

>

> Dick - W8RAD

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Sat, 29 Jan 2000 22:30:00 -0600

From: "Nick Kennedy" <nkennedy@tcainternet.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [61631] Re: MFJ - 259

Message-ID: <003501bf6ada\$ac886d20\$f52ab4d0@Bleh.Bleh>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

From: Roger Hightower <n7kt@earthlink.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Date: Saturday, January 29, 2000 7:57 PM

Subject: Re: MFJ - 259

>Absolutely worth the money. It's right up there with the AADE L/C meter

>as a "must have" in the shack.

>--

>72.....Roger

>

I agree with Roger. And one thing about the '259. It does a lot of different things, including measuring L and C. But it's not a high precision, wide range instrument for that function. That's where you need the AADE L/C 2.

72,

Nick, WA5BDU

Date: Sat, 29 Jan 2000 23:40:55 -0500
From: w2xn@juno.com
To: qrp-1@lehigh.edu
Subject: [61632] Keyer Question - Modular Systems
Message-ID: <20000129.234101.-662969.0.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

About a week ago I asked a question about my kit type keyer called MSC, or Modular Systems. Someone was kind enough to give me the web site for that company which is in Huntsville, AL. I goofed and erased the email. Would that person please send me the web site again ?

thank you

w2xn, Fred
Lakeland FL

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sat, 29 Jan 2000 20:40:27 -0800 (PST)
From: tbessler@OregonVOS.net (Tom Bessler)
To: resmith666@uswest.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61633] Re: OT: Old Call Book Lookup Assistance Requested
Message-ID: <v01540b00b4b9002ccc01@[192.168.76.9]>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

No thanks necessary!

Tom

Date: Sat, 29 Jan 2000 23:23:28 -0800
From: Bob Kellogg <ae4ic@nr.infi.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [61634] Hi-Band module for Sierra
Message-ID: <3893E6F0.9FD5D48B@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

I'm sending this for Derek, who's having trouble with his Server connection:

From: Derek Brown
Sent: Wednesday, January 26, 2000 2:26 PM
To: 'QRP-L'
Subject: Hi-band 80M Module for Sierra

Currently, I am using a SM cap (~18 pF) clipped across the main tuning cap of my Wilderness Radio Sierra to extend the upper frequency range. This allows me to work the nets around 3686 kHz. Although this works well and the KC-2 counter indicates the proper frequency, I am seeking a more elegant, long-term solution.

I am planning to construct a hi-band 80M (3.600 - 3.750 MHz) module using a standard 80M module and swapping out the crystal. Have any of you already done this? The manual provides the information for calculating the crystal frequency. What I am seeking is a source for the crystal and any "tweaks" that you made to optimize the performance.

Please respond directly to me. Although I can read this list, I am unable to post to it - a recent problem.

Derek Brown, WF4I
Greensboro, NC

dbrown@rfmd.com

--

Bob Kellogg, AE4IC Greensboro, NC
Prolably, not nececelery. - Benny Hill

Date: Sat, 29 Jan 2000 23:56:40 -0800
From: Bob Kellogg <ae4ic@nr.infi.net>
To: aturner13@mindspring.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61635] Re: Denoting fractional power with cw
Message-ID: <3893EEB8.41905FB4@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alex,

I'm not sure that there is an "official" way to designate milliwatt power.

For the recent Milliwatt Contest, there was a suggestion that we use "R", then a further suggestion that we try using "w" as a decimal point, something like the European way of designating resistor values. Thus, 250 mW becomes "w25" and 50 mW becomes "w05". 1.5 watts could even be 1w5. The thinking was that the "R" stood for "resistor", so the "W" would mean "watt".

This appealed to me, and we suggested it for the Holiday Milliwatt Contest. It was just a suggestion, and some stations used it and some did not. There was a little confusion about it (some questions), but, by and large, I think it worked pretty well for a first trial.

Based on the long history of using "R" as a decimal, perhaps we should just stick with that, and forget the "W".

CUL,
Bob Kellogg, AE4IC Greensboro, NC
Prolably, not nececelery. - Benny Hill

Date: Sat, 29 Jan 2000 22:07:24 -0800

From: "Mont Pierce, KM6WT" <mont@inreach.com>
To: <qrp-1@Lehigh.EDU>
Subject: [61636] Everyone still here??
Message-ID: <01f201bf6ae8\$47f5a0e0\$d012d1d1@sol>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've been away for a while. Is the list still here?

73,
mont, km6wt

Date: Sun, 30 Jan 2000 16:12:58 +0800
From: "Sylvester, 9M8SL" <cqsly@tm.net.my>
To: al7fs@pobox.alaska.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61637] Re: Antenna Polarization on VHF in General and other
observations
Message-ID: <20000130081258.EBQL13973@user>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Jim & Gang,

Vy glad to hear abt your Larsen 2 metres 5/8 wave antenna being used as a 1/4 wave vertical on six.

I've one of that black Larsen P0-150 here, and will certainly try out ur suggestions with my IC-706.

Also, have seen the idea being mentioned sometime back in 73 magazine, when someone reviewed the TS-60 uses a 2 metres 5/8 wave Larsen as a 1/4 wave on 6, and it seems to resonate quite well. I guess a 5/8 wave on 2 is very close to a 1/4 wave on 6 !

>In the last cycle I used my Larsen 5/8 wave mag-mount 2 meter antenna on
>6 meters. If you put an MFJ-259 on one it will resonate very nicely on
>6 meters-no tuner needed. I ran mobile during the day using that 5/8
>wave antenna and made a bunch of contacts with my Icom IC-551 at about
>10 watts SSB.

Hopfully the next cycle will peak soon, then I can see U all on 6 !!!
de Sly, 9M8SL
East Malaysia, Borneo Island.

Date: Sun, 30 Jan 2000 07:09:47 EST
From: Wa3ptg@aol.com
To: qrp-1@lehigh.edu
Subject: [61638] HB: RF transistors
Message-ID: <a5.17d9089.25c5840b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

While browsing around the web this morning, I noticed that the final transistor in the Ten Tec QRP rigs, the 2SC2166, is a fairly cheap device for QRP transmitters. It's rated for 6 watts at 27 mHz, and sells for \$1.30 at RF Parts.

It sounds like a good substitute for the 2N3553. The '53 is getting expensive, the '2166 will put out 2-3 watts for half the price. I haven't seen it used in any homebrew designs.

Maybe it's because we're all familiar with the 2N parts.

72 DE WA3PTG
Harry (Hap) Hurst
Wilmington DE

Date: Sun, 30 Jan 2000 07:32:05 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: Nick Kennedy <nkennedy@tcainternet.com>
Cc: Dave Pruett <dap14@chrysler.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61639] Re: Denoting fractional power with cw
Message-ID: <Pine.3.89.10001300750.A5633-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 29 Jan 2000, Nick Kennedy wrote:

>

> That's a good question. I usta say "1R5" watts for my
> little 30 meter Ugly Weekender, but I got the feeling that a
> lot of folks didn't get the idea. So I went to 1.5 ...

>

For the benefit of us who log with computer contest software, I wish

AE4IC's suggestion of using "W" for the decimal would catch on. For ARCI based contests, the NA software requires a "W" in the number field to indicate power instead of ARCI number. Thus 1W5 works nicely for 1.5W and W25 works for 250mW. But I guess it's a little too obscure to ever become the standard... In NA for example, 250mW poses a real problem since the field is limited to four characters. Of course, the new 10K+ ARCI numbers are also a problem. :-)

What would really help would be for K8CC to expand the number field to five characters. This could be done at the expense of the call field...

73,

Bob Patten, N4BP

(0 0)

Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://www.qsl.net/n4bp>

Brass Pounder BBS: (954) 472-7715

Date: Sun, 30 Jan 2000 09:01:10 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [61640] HELP!--Need Your Club News :-)
Message-ID: <200001300903_MC2-96C9-CCA@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

Gang:

The April 2000 QRP Quarterly is being born--and I need *your* club news. Please RUSH me any information you would like to include. It is especially helpful if you can write a few short paragraphs about what you are doing as a club. Saves a lot of time.

I am also interested in your club projects--journals and other publications, kits you offer, membership requirements, web sites, contests you sponsor, etc. Send whatever you have, and I will try to include it.

NOTE: my deadline for submission to the Editor is looming, so please contact me right away. Thanks in advance :-).

72/73,
--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
K0EVZ@arrl.net

Date: Sun, 30 Jan 2000 03:39:36 +0100
From: "Ralf K. Buschner" <r_buschner@knuut.de>
To: qrp-l@Lehigh.EDU
Subject: [61641] Knight-Smite Kit anyone?
Message-ID: <00013003421900.00357@dl5mhk>
Content-Type: text/plain
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Hallo, i am looking for one of these Knight Smite Kits, the SMD Version of the legendary Pixie2. Has anyone such a Kit for sale, or maybe only the PCB?

Thanks, 72 de Ralf, dl5mhk

Date: Sun, 30 Jan 2000 09:48:38 -0500
From: "Michael Bower - N4NMR" <bowerm@ix.netcom.com>
To: "qrp-l" <qrp-l@lehigh.edu>, "Doug Hendricks" <ki6ds@dpol.k12.ca.us>
Subject: [61642] N4NMR (Michael) Coming to SF in two weeks
Message-ID: <011f01bf6b31\$18bbe5c0\$0100a8c0@dadsmachine>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi, list members,

I will be coming to the SF area (actually downtown SF) on February 12th. That is a Saturday (afternoon). The conference I am attending (VBits 2000 at Moscone Center) doesn't start for me until Monday morning so I will have Sunday free. I will be staying until Thursday morning.

I checked the Norcal webpage and the Norcal meeting is the FIRST Sunday, not the Second. Darn. Thought I could catch it.

I don't really know where anybody lives out there but I would love to meet

some of you folks on the qrp-l list if you are in the SF area. Either during the day Sunday or maybe some evening.

If anybody is available and would like to get together, please let me know. I won't have a car but I'm sure I can navigate the subway or what it is called there.

Mind you, this would be a one-way exchange of info. You folks are far and above what I do in qrp right now. But it always nice to get together and chat. And I'm sure I could learn a lot. Of course, I could fill you in on NoVaQRP but we are just getting started so not too many stories to tell. (But we have fun.)

Michael - N4NMR

Date: Sun, 30 Jan 2000 06:58:09 -0800 (PST)
From: Ronnie Davis <ke4vpn@yahoo.com>
To: QRL List <qrp-l@Lehigh.EDU>
Subject: [61643] Poqet on HF on CW and RTTY
Message-ID: <20000130145809.25771.qmail@web601.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Just wanting to know if anyone is using the Poqet or the poqet plus to do QRP cw or rtty. Im thinking about getting one to use on a baypac multimode modem and Im not sure if it will work? Im going to use it on a Norcal 40a. Thanks for comments

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Sun, 30 Jan 2000 10:10:41 -0500
From: "Tim Cook" <timcook@erinet.com>
To: "QRP" <qrp-l@lehigh.edu>
Subject: [61644] FS/T: HB Tuner or parts
Message-ID: <03ae01bf6b34\$2c938500\$236b5acf@erinet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I bought a HB tuner for the parts, but before I got around to doing much with it, I bought a Wanzer Z-Match so I don't need it. It consists of the following parts (it is temporarily wired as a "T" match.)

1. Bud Model 1556 Dual section 250 MF, .015" airgap, (one of the ceramic end sections was cracked and epoxyed, doesn't affect operation)
2. Bud Model 1529 Single Section (Not sure of the capacity, but it is half again as large as one of the 250 mf sections,) .015" airgap
3. Multitronics Model 229-203-1 28 uH Roller inductor, good condition. not over heated
4. Turns counter, don't know the manufacturer. it measures 2"x4", had a 3" spinner knob and works smooth
5. Globar type CX 50 ohm resistor with holder, tuner input switched to this as dummy load or to ant, measures 1" dia, 8" long, heavy duty!
6. what looks to be a 4:1 balun on a 2 /12 " x 1/2" single torroid, not connected at this time
7. Cabinet, measures 12" W x 6" Hx 9" D, it was a tuner at one time I think, the cabinet is completely perforated with very small holes, 1/32" or smaller, The front and back are solid, with 50ohm input and 50 ohm output printed by 2 S0-239's there is also 2 sets of wire connectors (not connected) on a plate on the chassis labeled LF - OUTPUT - HF. The turns counter is mounted on a piece of Plexiglas for stability. The chassis has a label on it that says "this apparatus uses inventions of the USA and Canada. Patents owned by the M.C. Jones Company of Bristol CT...."

These components would make a good HB tuner, or use it as is....

I would like to sell this for the best offer or trade for a qrp rig, or a 2m mobile (with ext receive), or an older tube type shortwave receiver, or ???

please email direct.

Thanks
Tim
NZ8J

Date: Sun, 30 Jan 2000 09:43:58 -0500
From: Thomas Isgro <k8cz@concentric.net>
To: nkennedy@tcainternet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61645] Re: MFJ - 259
Message-ID: <38944E2E.4AC0@concentric.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nick Kennedy wrote:

>
>
> I agree with Roger. And one thing about the '259. It does a lot of
> different things, including measuring L and C. But it's not a high
> precision, wide range instrument for that function. That's where you
> need the AADE L/C 2.
>
> 72,
>
> Nick, WA5BDU

I'll add my \$0.02 here. Nick is absolutely right. The MFJ 259 is capable of doing many things, but it is NOT a precision instrument. We used 5 different 259's here on a local antenna party and got 5 different readings on SWR within a 5 minute period.

It does a great job as an inexpensive tool to get your antenna pruned within the ballpark of resonance, but don't mistake it for the accuracy of a good test instrument.

Tom K8CZ OH

Date: Sun, 30 Jan 2000 15:12:28 -0000
From: "George Dobbs" <g3rjv@gqrp.demon.co.uk>
To: <QRP-L@lehigh.edu>
Subject: [61646] CELTICON - Update
Message-ID: <002c01bf6b35\$b810a300\$151d989e@kcubkvq1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

I have been asked to post some details about Celticon
.... so here we go.....

CELTICON 2000

QRP IN THE HEART OF IRELAND

The Millenium QRP Event
September 1 - 2 - 3 2000
Marino Institute of Education - Dublin
QRP Programme by the G QRP Club
Hosted by the Marino Institute

WHAT IS PLANNED?

Friday:

A Welcome Supper Social Gathering with a QRP Presentation
A QRP Station with Special Callsign
[available throughout the weekend]
Sales stands of QRP items, components and kits

Saturday:

A Full Day s Programme of Workshops and QRP Presentations
with Morning Coffee Break, Lunch and Afternoon Tea Break.

Partners and family members can take the local bus from
the entrance of the grounds into the heart of Dublin
to explore or shop. [guide material will be available]

In the evening a visit to Dublin to enjoy the local atmosphere,
food, drink and live music of Temple Bar.
(the liveliest and most interesting night-time area)

Sunday:

A final Guest Presentation Morning Coffee
Closing Question and Answer Session

And in the afternoon, for those who wish,
a Celtic Visit (see below)

SUNDAY AFTERNOON A CELTIC EXPERIENCE

For the last two years, George, G3RJV, has led Celtic
Pilgrimages to Ireland. A bus trip will be available to
Glendalough considered to be the premier Celtic site in
the east of Ireland.

After a video presentation,
George will guide us through parts of this huge Christian Celtic site.
A Special Information Pack will be available.
There is a good book and gift shop adjacent to the site.
The visit will end with refreshments at the excellent Glendalough Hotel.

There will be an extra charge (about 10)
to cover the costs of this trip payable at the conference.

WORKSHOPS AND PRESENTATIONS

A unique feature of Celticon will be the chance to build
a practical item of QRP equipment under whatever
expert guidance you may require.
We will help you complete and test your work
so that you can take home a working Celticon Project.
PCBs and kits of the required parts will be available at a special price.
Alongside the Workshops will be related illustrated lectures
on the practicalities of QRP.

MASTER CLASS

An alternative to the Workshop Sessions
will be a programme of illustrated presentations
on the design and realisation of more advanced amateur radio projects
with practical working examples and available kits.

TRADERS

We hope that a number of UK QRP Traders will be present in person
or send goods for sale including a range of components, books and kits.
Current we expect to have a large Component/Parts sales area [from JAB]
And kits from the popular UK QRP Kit manufacturers.
The G QRP Club will also be selling books and Club Items

BRING AND BUY SALE:

A "Flea-market type" area, where people can bring along
any QRP related items to sell, swop and exchange
this is a free facility.

RESIDENTIAL BOOKINGS:

60 Residential Places are available to stay at the Marino Insitute of
Education.

You simply book for the Conference
and add whatever accomodation you require.
The Conference fee includes
Friday Supper, Saturday Lunch and Coffee and Tea Breaks
in addition to all the Conference facilities.
The Accomodation fee is Bed and Full Irish Breakfast [a lot on a plate!]

Some attendees will wish to stay Friday and Saturday nights.
Others (for example those wanting to join the Sunday Celtic Trip)

may also want to include Sunday night.

The Booking Form shows all the prices and methods of payment.

DAY BOOKINGS:

Day Tickets are also available for the Saturday for Local Attendees.
There is an alternative Booking Form for day attendees

Enquiries can be made to:

Celticon
Marino Institute of Education,
Griffith Avenue, Dublin 9
Tel: +353 (0) 1 8335111.
Fax: +353 (0) 1 8369264
email: dleader@mie.ie

Or send an email to [with your name and postal address to:
g3rjv@gqrp.demon.co.uk
for a leaflet and booking form.

George Dobbs G3RJV
g3rjv@gqrp.demon.co.uk
The G QRP Club
[www.gqrp.demon.co.uk]

"It is vain to do with more
what can be done with less"

William of Occum. 1290-1350

Date: Sun, 30 Jan 2000 09:56:27 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [61647] QRP Get-together
Message-ID: <Pine.LNX.3.95.1000130094042.3779A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It's amazing to believe another year has zoooooommed by but it has because I received the forms for the 66th Glacier-Waterton International Hamfest in Montana, in the mail just a few days ago...I should have known because our days are getting longer once again here in Regina...hi hi...the QRP Get-together which was so successful and enjoyable, when we held it for the first time last year, is on the program again....so Earl, VE6EWM and myself will be putting our heads together again for this event.....if you're thinking of attending this SUPER weekend (and the price hasn't changed; only \$10.00 before June 1st.) please let me know via direct e-mail....again, we're inviting everyone to bring their qrp goodies for

Show & Tell...this was REALLY interesting last year.....it will be an informal gathering, the same as last year....I'm wondering which kit Judy (of Jay & Judy) put together on New Year's Eve 1999?....HI HI....maybe Jay will bring some VE3DNL kits??....I'll keep everyone up to date on what's happening.....thanks for reading this.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,
S4S-4Z2, Canada -AR Stamp Collector- "QRP! How sweet it is!"
"I am da man wit "DAH" paddle!"

Date: Sun, 30 Jan 2000 08:28:57 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio <qrp-l@Lehigh.EDU>
Subject: [61648] 160m test results
Message-ID: <Pine.GS0.4.10.10001300813300.14767-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Well, another all night contest is over....Wheeeeeee! Lots of fun, but I'm tired.

BAND	Raw QS0s	Valid QS0s	Points	Mults	Countries
160CW	242	236	563	43	4
Totals	242	236	563	43	4

Final Score = 26461 points.

A few quick observations.....

I still need DE and RI for my 160m QRP WAS :-)

But I did work MS :-)

And I worked 4 JA's!

Strange condx. I listened to the JA's and they were always down around S4 for the strong ones. But I noticed that they would bounce up to S8 or so every now and then. Just for no reason.....they would stay up for a minute or two and then drop back down. Not really a QSB like I usually hear. Just a condx change. I have no idea what makes something like that happen.

But I thought, what the heck...I'll try it. So I set up where they said to QSX and waited until the freq was clear of the west coast KW's and for their sig's to be "up". Missed far more than I hit, but getting 4 is a thrill to me!

Then the best moment of the whole contest.....

For those of you who were there, do you remember that nice sig that V73CW had? He was S4 to S5 for hours here. And he had a NASTY pile-up on him most of the time. I felt I had a chance if I could ever hit it with a clear freq.

I would come back every few minutes. This went on for a couple of hours at least.

Then one time I came back and his sig was over S9. The pile-up was 20 dB above that! :-) But I said to my self that this was the time that the condx were right. So I turned on the XIT. Each time I called I moved down a little more. When I was down about 400 Hz he got me!

Now if you don't think that doesn't make you feel good to sneak in under that mess and snag the station, you just don't understand what feeling good is! :-)

Great example of the value of the Fox Hunts! Learning to hear your call even when the Fox is covered in hounds and reading the pile-up and the Fox's mind!

I was very pleased to hear so many QRPers playing and having fun! I'll bet there will be some big QRP scores this time!

Now it's off to make some breakfast....

Oh, did I mention that a sunk decided to get into the garage and get under the shack floor? Yessireeeeeeee, didn't have to worry much about falling asleep! :-) Hmmmmm, hope that doesn't make me a multi op!

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Mon, 31 Jan 2000 10:17:22 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <k8cz@concentric.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61649] Re: MFJ - 259
Message-ID: <005401bf6c07\$e6b73340\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Precision, I think, is quite adequate for our antenna work. I do find that my 259B seems to read a little higher in SWR value than other SWR meters I have here. I've heard from others that that is often the case. I don't see that as a real problem however. I'll add my two cents worth as well. It's more than worth the money for any antenna project. I don't believe I would have ever gotten my Butternut vertical in line without it. I did give up very quickly on trying to feed its battery appetite. I run it from an AC adapter.

Dan W. Dooley WB5TKA
e-mail to: dandooley@pipeline.com
May Goddes love blest ye alle

>
> I'll add my \$0.02 here. Nick is absolutely right. The MFJ 259 is
> capable of doing many things, but it is NOT a precision instrument. We
> used 5 different 259's here on a local antenna party and got 5 different
> readings on SWR within a 5 minute period.
>
> It does a great job as an inexpensive tool to get your antenna pruned
> within the ballpark of resonance, but don't mistake it for the accuracy
> of a good test instrument.
>
> Tom K8CZ OH
>

>

Date: Sun, 30 Jan 2000 08:38:23 -0800 (PST)
From: Stan Yarema <bg783@scn.org>
To: qrp-1@lehigh.edu
Subject: [61650] Portable Antenna splices
Message-ID: <Pine.SUN.3.96.1000130082741.17616A-100000@scn>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Gang,

I was working on the car yesterday and had to take apart a splice I put in a high current line some time ago. It occurred to me that it is an ideal splice for antenna work. It locks together under tension yet comes apart without using tools. The splice consists of 2 'knife disconnect' terminals made by AMP. They sell for 4.37/10 from Digi-key. You put them together at 90 degrees and straighten the joint to lock it. The joint is a bit like to people locking arms. That is, one person holds the wrist of the other. The terminals crimp on and can be soldered.

--- the AMP part # is 32448, Digi-key part # is A1079-ND

72' Stan, K7SY

Date: Sun, 30 Jan 2000 10:42:34 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>
Subject: [61651] FOXHUNT:Team Scores
Message-ID: <Pine.LNX.3.95.1000130103518.7344A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

..DON'T FORGET FOXII, SEND YOUR "FINAL LOG" TO ME AS WELL
AS TO PAUL...that will be a big help...thank you all....

Fox Hunt 25 - KF2PH -

20th. MAINE BENGAL BEARS:Total=8

Jim - N5IB
Butch - N5SMQ
Bill - NT1R
Joel - KE1LA

BLUE J's:Total=13

John - VE3JC
Jim - VE6JWA
Jeff - VA3JFF
Jon - TF3JA

EMPIRE HOUNDS:Total=15

Dick - K2JQ
Kevin - N2T0
Mark - N2JTW
Nick - KF2PH <-

HOUSTON HOUNDS:Total=68"Sweep"

Bill - K5ZTY <-
Bill - W5SB <-
Terry - KQ5U <-
Dan - KK5LD <-

MANGY MUSHERS:Total=57

Pete - NV4V <-
Paul - VA7NT
Bruce - N7RR
Ed - K1VP

NIGHT OWLS:Total=38

Ed - WE6W <-
Rich - N5JI
Dan - N7CQR
Ben - NW7DX

OKLAHOMA TORNADOS:Total=49

Cliff - AB5UA <-
Royce - KE5TC
Don - K5AAR <-
Gody - AC6UV

RAIDERS OF THE LOST RF:Total=44

Fred - VE3FAL
Earl - VE6EWM <-
Mary - NA6E
Bruce - VE5RC <-

SCATTER SHOT GUNNERS:Total=66

Mike - K1MG <-
Jack - W5TFB <-
Stan - N6XU
Pat - K0PC<-

SFBA FOGHORNS:Total=21

Bob - N6WG
Conrad - NN6CW
Andreas - N6NU
Allan - K7GT

SWAMP RATS:Total=71"Sweep"

Tom - N1TP <-
Mac - AF4PS <-
Fred - W2XN <-
Paul - AJ4Y <-

SWORDS:Total=39

Rick - WB6JBM
Andy - KC8KFI

TEAM CRAMP.COM:Total= 37

OJ - K10J <-
George - K5VUU

Doc - K0EVZ <-
Dan - N8IE <-

Mike - K5NZ
Eric - NM5M

TEAM ScQRPion:Total= 67

TESLA'S TERRORS:Total=90"Sweep"

Floyd - NQ7X <-
Gary - AB7MY
Conard - WS4S <-
Bob - KI7MN <-

Wayne - N0EA <-
Dan - N0DT <-
Tim - N0EHW <-
Joe - W0JOE <-

TEXAS TARANTULAS:Total=62"Sweep"

UNDERDOGS:Total=75

Bill - K5LN <-
Dave - N5IW <-
Bob - AF5Z <-
Tom - N5TW <-

Roy - AB7CE <-
Dan - N4ROA <-
Brian - KB9BVN
Ron - KI0II <-

WESTERN WRANGLERS:Total=36

NORTEX Irregulars:Total=7

Randy - K7TQ
Chuck - K7Q0
Steve - WW7Y
Ron - KU7Y <-

Doc - W5TB
Joe - KK5NA
Don - N5YAK
Barb - KK5QA

...72 - Bruce(VE5RC+VE5QRP)

Date: Mon, 31 Jan 2000 10:44:02 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [61652] Re: Denoting fractional power with cw
Message-ID: <006001bf6c0a\$65d390e0\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Another reason why I wrote my own logging program. I can make the
fields behave the way I want them to. Not relying on some other code
writer
to know what I want.

Dan W. Dooley WB5TKA

e-mail to: dandooley@pipeline.com
May Goddes love blest ye alle

> For the benefit of us who log with computer contest software, I wish
> AE4IC's suggestion of using "W" for the decimal would catch on. For ARCI
> based contests, the NA software requires a "W" in the number field to
> indicate power instead of ARCI number. Thus 1W5 works nicely for 1.5W
> and W25 works for 250mW. But I guess it's a little too obscure to ever
> become the standard... In NA for example, 250mW poses a real problem
> since the field is limited to four characters. Of course, the new 10K+
> ARCI numbers are also a problem. :-)
>
> What would really help would be for K8CC to expand the number field to
> five characters. This could be done at the expense of the call field...
>

Date: Mon, 31 Jan 2000 10:47:43 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [61653] Ooops. Sorry!
Message-ID: <006a01bf6c0a\$e934fd20\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think my last post was in HTML rather than plain text. This was concereng
CW filters in the IC-706.

Hope it created no problem for anyone. Sorry.....

Dan W. Dooley WB5TKA
e-mail to: dandooley@pipeline.com
May Goddes love blest ye alle

Date: Sun, 30 Jan 2000 10:54:29 +0000
From: William Austin <kd5ihc@earthlink.net>
To: <cebik@utkux.utcc.utk.edu>, <qrp-l@lehigh.edu>
Subject: [61654] Re: Denoting fractional power with cw

Message-ID: <B4B9C8E4.29E3%kd5ihc@earthlink.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

on 1/29/2000 10:51 PM, L. B. Cebik at cebik@utkux.utcc.utk.edu wrote:

> The nice thing about using R for a CW decimal point is that it does not
> derive from an abbreviation of the symbol we use.

Or does it? I have a Hewlett Packard calculator. Among its (too) many features is the ability to interchange commas and decimals in the display. In the manual, these are referred to as "radix separators." Could the "R" be an abbreviation of that?

Will, KD5IHC

Date: Sun, 30 Jan 2000 12:24:56 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [61655] Skunk Report
Message-ID: <3.0.32.20000130122451.00717b5c@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

To Ron KU7Y
I and others are anxiously waiting for more details about your new friend the skunk.
73 Pete NV4V

Date: Sun, 30 Jan 2000 12:27:28 -0500
From: osier <osier@northnet.org>
To: qrp-l@lehigh.edu
Subject: [61656] 10 Meters!!!!
Message-ID: <38947480.26885A11@northnet.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello All !!!

Just a note to all who havent tried QRP SSB

worked M2000A with 700 mW peak with a Cushcraft AR -10 Ringo vert.
up 20 ft ... even with today's solar flux and A and K indexes you can
STILL work
lots of DX !!!!!..... 10 can be VERY surprising !!!!!!!

72s

George , N2JNZ/QRP

Date: Sun, 30 Jan 2000 12:23:02 -0500
From: Jeff Davis <jeff@n9avg.org>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [61657] Nice Morning
Message-ID: <20000130122302.A4234@n9avg.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

We woke up to 3 inches of new snow on top of the 5 or 6 inches that we
already had. Temps are much better, 25degF here now instead of sub-zero.
I was listening on 40M and heard VQ9NL and the ensuing pile-up. Anybody
who thinks CW is dead has obviously never heard a pile-up. ;-)

After a few cups of coffee to wake up, the Labrador pup was bugging me to
go out and play in the snow. We did our own Indiana version of
snowshoeing (put on an old pair of tennis shoes with 2 pair of socks)
and took the pup out for a romp in the woods behind the house.

That dog wants to be a hunting dog and I'm sure he'd make a good one, if
I hunted. So we spent about an hour playing in the snow, jumping in the
drifts and running around like idiots. I don't think the dog thinks any
less of me for it...

After we came back in and warmed up I answered a CQ on 7055mc. It was
Ed, W4YMO near Nashville. He gave me a 559 and then increased it to a
579. I was using my DSW-40 and the vertical. About 2 watts out (the
battery is getting low). We chewed the fat about the weather for awhile
then I told him I was QRP. He replied that QRP must be fun because
almost everyone he works anymore is running low power.

I guess fun is infectious?

Anyway, he went on to tell me that he was 85 years old. Man, I hope I
live that long and can still pound brass like Ed.

Do you think CW operators live longer? ;-)

--

72 de Jeff, N9AVG

Date: Sun, 30 Jan 2000 12:30:52 -0500
From: Thomas Isgro <k8cz@concentric.net>
To: "Dan W. Dooley" <dandooley@pipeline.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61658] Re: MFJ - 259
Message-ID: <3894754C.2476@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dan W. Dooley wrote:

>
> Precision, I think, is quite adequate for our antenna work.

<snip>

> Dan W. Dooley WB5TKA
> e-mail to: dandooley@pipeline.com
> May Goddes love blest ye alle
>

Quite right! I just wanted to make sure everybody understands the limitation.

73, Tom K8CZ OH

Date: Mon, 31 Jan 2000 11:30:06 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [61659] CW Filter Bandwidth
Message-ID: <008a01bf6c10\$d4d0e640\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have been thinking about adding a CW filter to my Icom 706. It's the original one and will accommodate only one optional filter. The choices are 500 Hz and 250 Hz.

First thoughts might be "narrower is better" and opt for the 250, but I'm wondering if that might be a little overkill. If the 500 might be better for overall or general purpose work. Perhaps only for extreme conditions is it better to go real narrow?

My Drake R-4B has a 400 Hz position. I sometimes find that a little uncomfortable and will switch to the 1.2 kHz position for general CW listening. My DSW-40 has 500 Hz width and that's quite adequate, for me at least. The 2.4 kHz SSB filter on the 706 is just 10000 wide.

I'm looking for a general consensus of opinion.

Dan W. Dooley WB5TKA
e-mail to: dandooley@pipeline.com
May Goddes love blest ye alle

Date: Sun, 30 Jan 2000 18:19:22 +0000
From: Brian Short <bshort@speedchoice.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61660] Re: CW Filter Bandwidth
Message-ID: <4.1.20000130181739.04c09f00@mail.phoenix.speedchoice.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I was quite pleased with the 350 Hz filter FL-232 as I recall. Sort of a middle ground and useful.

>I have been thinking about adding a CW filter to my Icom 706. It's the
>original one and will accommodate only one optional filter. The choices are
>500 Hz and 250 Hz.

--
Brian K. Short <http://www.qsl.net/k7on/> <mailto:k7on@arrl.net>
--

Date: Sun, 30 Jan 2000 11:26:14 -0800
From: Bob Kellogg <ae4ic@nr.infi.net>

To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [61661] HB Spectrum Analyzer
Message-ID: <38949056.5DE276AD@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

Some time ago, "melt solder" Steve, KD1JV, designed a simple Spectrum Analyzer attachment for Scopes. He put together a few kits, and I bought one. (Actually, he did this twice, and mine is the second version) Seems like the cost was somewhere between \$50 and \$100.

I built the thing, and just have to report how neat it is for an inexpensive Scope add-on.

It's built into a Radio Shack 6" X 5" X 3" enclosure. Has it's own power supply.

Recently I was looking at one of my HB rigs, and wondering about the output. The power meter read 6 or 7 watts, but my question was whether all of that power was going to the desired frequency, or was some of it disapated into spurs?

Hooking up this little attatchment to my scope, I could see up to 100MHz of the RF spectrum. There, big as life, was my signal, and 4 or 6 other spurs clustered around it. By tweeking the inductor slugs in the transmit chain, I could watch the main signal peak and the spurs diminish (or grow). In a couple of minutes my signal was maximized at the center frequency. The spurs were now 50 or so dB down from the signal.

My SA is not calibrated very well, but frequency calibration is not a requirement when a vivid picture of the spectrum is provided. It's sort of like looking at a drawing instead of a photograph. It was very clear to me what was happening. It was unimportant whether the spurs were +/- 2 MHz or 5 MHz. I could see their magnitude compared to the center frequency. And, the magnitude accuracy in dB was there, because that depended on the scope. I do plan to calibrate the SA sometime just for fun.

The SA is pretty sensitive. You can hook an antenna to the input and look at the RF world around you up to 100 MHz!

Steve's design doesn't require a super Scope to work. Almost any garden variety will do, even the narrow band ones. I have an old monitor scope and I'm thinking about just incorporating the SA attachment into it's

case, thus making my own self-contained Spectrum Analyzer.

There has been discussion lately about the SA attachment that Roy Lewallen and others wrote about in QST. This design has been kitted by Kanga. The Lewallen design is much more sophisticated than Steve's, and probably much more accurate/versatile. It costs in the \$250 range. If you've ever entertained the desire to look at the RF spectrum and see where your signal, (or others) appear, there is ample opportunity to do so with one of these kits.

Finally, I have to say, I've met Steve Weber, KD1JV, at Dayton. He's a big teddy bear kind of guy, and he knows how to melt solder. When he offers one of his kits, he does so on a small scale to finance his hobby. They are not Heathkits, but instructions are adequate. He's not competing with the big guys, he's just having fun. If you like to build, try one of Steve's projects. You'll enjoy it.

CUL,
Bob Kellogg, AE4IC Greensboro, NC
Probably, not nececelery. - Benny Hill

Date: Sun, 30 Jan 2000 12:03:30 -0800
From: Bob Kellogg <ae4ic@nr.infi.net>
To: k8cv@netzero.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61662] My antenna is smaller than yours, or, oh oh, cat is out of the bag!
Message-ID: <38949912.455830F3@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

Yes, a resonant dipole is small. It will fit in your pocket, (excepting, of course the RG-58 feed line, which you must use to operate) (Oh, alright, you can use RG-174)

My W3EDP (85' wire plus 17' counterpoise) is wound on one of those 3" tape reels left over from the reel to reel tape recorder days. No coax is required. I tune it with a ZM-2 tuner. So, the antenna, lead in and tuner will fit in my pocket, *and* I can operate on all bands.

:-) :-) :~)

I regret this post already. I can see the replies coming. :-)

CUL,
Bob Kellogg, AE4IC Greensboro, NC
Prolably, not nececelery. - Benny Hill

Date: Sun, 30 Jan 2000 11:32:57 -0800
From: Bob Kellogg <ae4ic@nr.infi.net>
To: QRP-L <qrp-l@Lehigh.EDU>, klqrp <klqrp@vramp.net>
Subject: [61663] FS- SW40+ Elmer 101 Tranceiver kit
Message-ID: <389491E9.93109DA5@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

I have the SW40+ complete kit including the enclosure and controls.
This is the kit that the Elmer 101 series was based on. I had the best
intentions to build it, but it now looks like it will not happen. It's
still in it's original baggies.

The complete kit cost me about \$90. I will ship it to someone for \$75.

CUL,
Bob Kellogg, AE4IC Greensboro, NC
Prolably, not nececelery. - Benny Hill

Date: Sun, 30 Jan 2000 14:39:36 -0800
From: "Richard Williams" <richard.a.williams@attcanada.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61664] KENWOOD 570 AND TUNING AN AMP
Message-ID: <004101bf6b72\$e3a8d680\$54cec28e@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here's the answer to my question that I posed a few weeks ago and which no

one could answer:

Q: How do I key the 570 to tune my amp? (Note: the SEND button won't work in CW)

A: Turn MENU 22 to ON and hit the dash paddle.

I discovered this by accident when I wanted to see what it was like to use a bug to send CW. I was right, there's no good reason to use a bug and I refuse to answer buggers when they call me. Rick, VE9HF.

Date: Sun, 30 Jan 2000 11:48:19 -0700
From: jaywa5whn@juno.com
To: qrp-1@lehigh.edu
Subject: [61665] July is QRP Outdoor Hamfest month
Message-ID: <20000130.114829.-810595.0.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Bruce {VE5RC},

I had received my Glacier-Waterton Hamfest flyer too. :-) Maybe you can talk W5JAY into heading north this summer & he can bring the VE3DNL kits. ;-)

July 14, 15 & 16, 2000 is the 66th Glacier-Waterton International Peace Park Hamfest {3 Forks Campground, Montana}, which is just prior to the Ft. Tuthill Hamfest near Flagstaff, AZ

<http://www.tlatech.com/hamfest/> {Glacier-Waterton Hamfest}

<http://www.nps.gov/glac/> {Glacier National Park,
Montana}

<http://www.hamsrus.com/tuthill.html> {Ft. Tuthill,
periodically check Uncle Bob's - KI7MN url too}

<http://www.extremezone.com/~ki7mn/> {Ft. Tuthill QRP info}

A QRP seminar is listed on the flyer thanks to VE5RC & Crew.

If you are GPS equipped {Glacier-Waterton Hamfest};

Lat. 48 deg. 15.976 minutes N
Long. 113 deg. 26.614 minutes W
elev. 4,400 ft. asl
WGS-84 datum

We were snowed out last year at the Hamfest. I had stayed in touch with home via 20 & 30 meters cw.

My Wife {WB5LYJ} & I spend a lot of time hiking in Glacier National Park. For those who do not wish to hike, drive the "Going to the Sun" road, if it is open.

Where else can you camp out under the stars, play with little radios & have snow fall in Glacier & rained on in Flagstaff in July? What a wonderful way to get out of the "Heat Wave" in the SW USA.

I have no affiliation with either the Glacier-Waterton Hamfest or the Ft. Tuthill Hamfest other than a participant.

T minus 6 days until FYBO 2k, soon to be live from Sunspot, NM {DM72cs}... The other Jay, WA5WHN

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Date: Sun, 30 Jan 2000 11:00:48 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [61666] Re: MFJ - 259
Message-ID: <01bf6b54\$5210a270\$6cd3fc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dick

I'll throw in my thought, for even less than 2 cents.

I have the new Auttek VA-1, but it and the MFJ will do the same things, I believe. The important thing is to get one of these if you do any antenna work.

It is like letting light into a dark room when you can suddenly look at a feedpoint impedance and see the R and X components separately. How easy

that makes getting the matching just right. No matter which unit you wind up taking seriously, just GET IT :-)
You won't regret it.

73, Bob N6WG

Date: Mon, 31 Jan 2000 13:05:36 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <richard.a.williams@attcanada.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61667] Re: KENWOOD 570 AND TUNING AN AMP
Message-ID: <00ce01bf6c1e\$2b0c2c60\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I still want a bug. To use? Probably not. I just think they're cool looking.

I got the chance to use one briefly as a novice. It was borrowed. I don't remember how well it worked out or if I liked it at the time. That was many moons ago.....

Dan W. Dooley WB5TKA
e-mail to: dandooley@pipeline.com
May Goddes love blest ye alle

> I discovered this by accident when I wanted to see what it was like to use
> a
> bug to send CW. I was right, there's no good reason to use a bug and I
> refuse to answer buggers when they call me. Rick, VE9HF.
>

Date: Sun, 30 Jan 2000 11:12:31 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [61668] Re: CW Filter Bandwidth
Message-ID: <01bf6b55\$f4c38630\$6cd3fc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dan

Some years back I went through the same exercise with my old Kenwood TS-180. It had the Kenwood 500 Hz filter, but it wasn't really sharp enough to suit me. Wound up adding an IRC filter at 270 Hz, and that was just fine. I use the 500 Hz bandwidth for search during contests, FD, etc, and the 270 Hz if I want to really focus on one signal, such as during a ragchew in a busy band.

In my case, I had a switch position that let me do this. Sounds like you may only have one position. You will have to decide why you want a narrower filter, and how much you expect to use it.

If you want to retain the 400-500 Hz bandwidth you have, you might consider a good audio filter, maybe one of the DSP filters out there. The prices are only a bit more than a good crystal filter, but then you have more options.

73, Bob N6WG

Date: Mon, 31 Jan 2000 13:10:09 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <dandooley@pipeline.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61669] Re: CW Filter Bandwidth
Message-ID: <00e001bf6c1e\$cde32f60\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

So far, the overwhelming "general consensus" confirms my original thinking that 500 Hz is my best choice. Since I can only put one filter in the radio.....

Actually I kinda prefer the "side noise" of a wider bandwidth. Feels like there is more presence there by hearing even hints of signals off to the side. What do they say, the ear/brain is the best filter?

Dan W. Dooley WB5TKA
e-mail to: dandooley@pipeline.com
May Goddes love blest ye alle

----- Original Message -----

From: Dan W. Dooley <dandooley@pipeline.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Monday, January 31, 2000 11:30 AM
Subject: CW Filter Bandwidth

> I have been thinking about adding a CW filter to my Icom 706. It's the
> original one and will accommodate only one optional filter. The choices
are
> 500 Hz and 250 Hz.
>
> First thoughts might be "narrower is better" and opt for the 250, but I'm
> wondering if that might be a little overkill. If the 500 might be better
> for overall or general purpose work. Perhaps only for extream conditions
is
> it better to go real narrow?
>
> My Drake R-4B has a 400 Hz position. I sometimes find that a little
> uncomfortable and will switch to the 1.2 kHz position for general CW
> listening. My DSW-40 has 500 Hz width and that's quite adequate, for me
at
> least. The 2.4 kHz SSB filter on the 706 is just T0000 wide.
>
> I'm looking for a general consensus of opinion.
>
> Dan W. Dooley WB5TKA
> e-mail to: dandooley@pipeline.com
> May Goddes love blest ye alle
>

Date: Sun, 30 Jan 2000 13:28:14 -0600
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: <dandooley@pipeline.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61670] Re: CW Filter Bandwidth
Message-ID: <001101bf6b58\$282e99e0\$9e2ab4d0@tcac.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'd go with the 500. My "big rig" has both and I use the
500 almost all the time. The 250 is handy at times--serious
close QRM or a very weak signal, but I wouldn't be stuck

with it as my only CW filter.

The 250 will limit how fast you can browse, cause you'll go right past signals without hearing them. Also it'll ring a bit more and have some of that hollow sound. A 500 sounds prettier.

Regards,

Nick, WA5BDU
in Arkansas

----- Original Message -----

From: "Dan W. Dooley" <dandooley@pipeline.com>

> I have been thinking about adding a CW filter to my Icom
706. It's the
> original one and will accommodate only one optional
filter. The choices are
> 500 Hz and 250 Hz.
>

Date: Sun, 30 Jan 2000 15:48:02 -0800
From: Bob Kellogg <ae4ic@nr.infi.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [61671] SW-40+ sold
Message-ID: <3894CDB2.55309E96@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

--
Bob Kellogg, AE4IC Greensboro, NC
Probably, not nececelery. - Benny Hill

Date: Mon, 31 Jan 2000 08:25:02 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61672] Take some load off QRP-L
Message-ID: <3894AC2E.B1476C15@integritynet.com.au>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Many on this list know I run a monthly newsletter. It occurred to me a question I am asking in the upcoming February newsletter just might ease some of the load on QRP-L.

Quote

This month I ask the question:

"Does anyone see any value in a moderated email list, which would be issued weekly and, where electronic related questions can be asked and hopefully responded to the next week by other list members?". This relies on sufficient numbers participating and having a wide variety of backgrounds.

A typical question asked is: "I would like to be able to build a security tag device like those used in clothes shops and libraries. I think they use RF with tags that resonate, but I don't really know." - neither do I.

Is such a list, where we can possibly help one another, a valuable resource?

[mailto:ianpurdie@integritynet.com.au?subject="Weekly Email List"](mailto:ianpurdie@integritynet.com.au?subject=Weekly%20Email%20List)

End quote

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14' S 151o:34' E
My FREE Newsletter:- <mailto:vk2tip@qsl.net?Subject=Subscribe>
VK2TIP "I'll give you the TIP mate" QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/>

Date: Sun, 30 Jan 2000 16:37:51 -0500
From: "Paul Helbert, Wv3j" <phelbert@rica.net>
To: Low Power Discussion Group <qrp-l@Lehigh.EDU>
Cc: K2 <elecraft@qth.net>
Subject: [61673] Fox: Groundhog's Day
Message-ID: <3894AF2E.3CAE5EE2@rica.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Announcement from the groundhog's hole:

See <http://www.oakland.edu/~prvalko/foxhunt2000.htm> for rules.
See <http://home.rica.net/phelbert> so I don't have to take foxhunt time to brag about my son.
See <http://home.rica.net/phelbert/pmhug.jpg> for my photo (before I went to the Tom Hammond hairstyle).

Neener-neener-neener, you won't catch me (unless you call only once).

Tuesday night (local Groundhog's Day) 0100-0300 UTC 3 February 2000.
Main antenna is horizontally polarized 80 meter loop about 10 meters above ground.
Rig is Elecraft K2, (has IT) so please spread 'em out.
Fox will operate 7040 MHz +/- 10 kHz.
Cw speed will be modest.
Logging is by hand.
Let's have fun.

Good luck,

Paul, Wv3j
QRP-L 1224
>From the snowy Shenandoah Valley of Virginia

PS: Remember: Only your local groundhog can predict your weather. That Pennsylvanian is a fraud.

Date: Sun, 30 Jan 2000 16:50:23 -0500
From: "Steve Hanson" <ke1lg@qsilver.net>
To: <qrp-l@lehigh.edu>
Subject: [61674] 160 Meter...ME to TX...5 watts...
Message-ID: <003301bf6b6c\$038ee680\$8195e3d8@mint.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For the first time on 160 I loaded up my Carolina Windom 80 (132 ') and transmitted 5 watts out from my Ten-Tec Delta

580. From Rockport,ME was able to make a contact with K5S0 in Texas! He did, however need a repeat on the call.

Steve KE1LG
Rockport, Maine
FISTS 6306

Date: Sun, 30 Jan 2000 16:01:42 -0600
From: "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
To: <ke4vpn@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61675] Re: Poqet on HF on CW and RTTY
Message-ID: <004e01bf6b6d\$98bb9220\$7f350b3f@default>

Don't know if it works on the
Poquet. Can't see why not.

Hamcomm and a baypac
work great with my hp 2001x.

Print is a little small though.

Mike in Minnesota

Date: Sun, 30 Jan 2000 15:03:24 -0700
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: qrp-l@lehigh.edu
Subject: [61676] Re: 160 Meter...ME to TX...5 watts...
Message-ID: <3894B52C.83854CDE@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steve Hanson wrote:

>
> For the first time on 160 I loaded up my Carolina Windom 80
> (132 ') and transmitted 5 watts out from my Ten-Tec Delta
> 580. From Rockport,ME was able to make a contact with K5S0

> in Texas! He did, however need a repeat on the call.

Steve et al.,

I decided to see what my K2 would do now that I have the 160m option installed. Well, once I got started, the states started accumulating and I ended up into the wee hours and I now have 37 states under my belt on 160m QRP. Wow the mojo was a flowin'. I didn't realize what a kick it could be !!! And I don't even like contests. 4 watts and some great ears on both sides sure helps. A few contacts I was ready to give up on but the ham on the other end wouldn't let me.!!

Steve, we'll have to set up a sked for Me to CO !! I worked NH and MA, so we should be able to do it !!

Date: Sun, 30 Jan 2000 14:32:20 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [61677] 160m contest period?
Message-ID: <01bf6b71\$df1958c0\$bad0fc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I thought the contest was just last Friday and Sat nights, but looking at the rules, it says 2200Z Jan 29 to 1600Z Jan 31. By my figuring, that would be up to 8AM (PST anyway) Monday morning. I've never worked this contest before. Does anyone know if this is right? Do we still get Sunday night to work as well?

73, Bob N6WG

Date: Sun, 30 Jan 2000 17:54:31 EST
From: Drbob92031@aol.com

To: nielsen@primenet.com, qrp-l@lehigh.edu
Subject: [61678] Re: Headphones & Hearing Aids
Message-ID: <35.bbd06d.25c61b27@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In a message dated 1/29/00 6:12:32 PM Eastern Standard Time,
nielsen@primenet.com writes:

<< Actually my right
ear seems to have a narrow passband which is just about right for the
cw note and sidetone and nicely filters out much of the off-frequency
stuff. I expect that it is really some sort of evolutionary adaptation
to improve my code proficiency.

I pick up the hearing aid this week (for the price of a pretty good
transceiver!)

>>

>>> The XYL calls this selective filtration. I hear what I want to hear. But
time has taken its toll and I do have a hard time hearing conversation in a
noisy environment.

strange but CW is no problem Go figure. Ha Ha
73/72..de WA2EAW..Bob

Date: Sun, 30 Jan 2000 22:11:45 +0000
From: Goran Hosinsky <hosinsky@jet.es>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [61679] Silicon zip line loss measurements
Message-ID: <3894B721.A75FB2DA@jet.es>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

Adding to the resent thread on line loss I found an extremely flexible
laboratory
zip line with silicone insulation which would make a very flexible and
easy handling
balanced line. Expensive though, same price as RG213.

2*0.75 sqr mm (about 2* #18 AVG) External size 2.4*4.9 mm
constructed from 408 wires, each 0.05 mm dia

Zo = 115 Ohm

Vf = 0.66 @ 3.5 MHz

Vf = 0.69 @ 28 MHz

Loss: Below 7 MHz better than RG58
Above 16 MHz worse than RG174

Note that the slope of the loss curve is quite different from the coax cables which makes the line a good choice for 7 MHz and below.

Measuring method:

$Z_o = \sqrt{L/C}$ using a digital L/C meter measuring L for the line shorted at the far end, C with the line open at the far end. To check the value I connected first a 110 Ohm resistor at the end of the cable and sweeping the frequency with the RF-1 looking at the variations of input Z with frequency. If the load resistor is exactly equal to the line Z_o the input impedance would be constant = Z_o . I repeated the test with an 120 Ohm resistor and it was quite clear that the Z_o value was between 110 and 120 Ohm.

Loss (dB) = $8.69 \times \text{minimum } Z / Z_o$ for cable shorted at the far end. Sweeping the shorted cable with the RF-1 I noted each minimum, repeated at 0.5, 1.0, 1.5, 2.0 etc. wavelengths. I then applied the above formula for each minimum.

Vf:: the frequency sweep for the loss measurements also gave me the frequencies for which the test cable was a multiplier of 1/2 wavelength.

73

Goran ea8yu

Date: Sun, 30 Jan 2000 16:06:44 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: qrp-l@lehigh.edu
Subject: [61680] Re: CW Filter Bandwidth

Message-ID: <200001302306.RAA28118@bunyip.flash.net>

Mime-version: 1.0

Content-type: text/plain; charset="US-ASCII"

Content-transfer-encoding: 7bit

Dan - Filter bandwidth is only one consideration in considering the type of filter to use. Also of interest is the steepness of the skirts and the time (impulse) response.

Hams use filters for two purposes, to reduce interference from adjacent stations, and to reduce the noise in the received bandwidth to increase the signal to noise of weak signals.

To reduce adjacent station interference, I think a filter with steep skirts is the best choice. The bandwidth is secondary if one can move the wanted signal around in the passband to put the adjacent station far enough down on the skirts to minimize interference. Between the 500 Hz and 250 Hz filter I would chose that filter which had the steepest skirts. Unfortunately, this information is not always available. After market filters can be better in this regard and InRad which sells aftermarket filters also publishes frequency response curves of many of the filters it sells.

To improve the SNR of a weak signal I think the impulse response of a filter is most important. In this case I would go with a good audio filter. As long as all the stages of a reciever are linear and operating in the linear region it does not matter where the selctivity is obtained. (This does not apply to rejection of adjacent strong signals causing overload which is a case where stages may be operating in a nonlinear region) Very sharp audio filters can be obtained with very little or no ringing. Crystal and mechanical filters in many receivers are often designed to have steep skirts or high out of band rejection with little attention paid to the impulse response. In general the wider filters have better impulse response than that of the narrow filters. It is possible to make very sharp audion filters with digital signal processing technology. I have a DaTong FL-3 with 100 Hz narrow bandwidth possible. It is usable at that frequency and I used it to bring W0RSPs signal from R4 to R5 last week on 160M. However the noise is "colored" at the center frequency and it can be a bit tiring after a while. I got a Timewave-9 yesterday and it does the same bandwidth with no ringing, and wiht the adaptive noise reduction even better noise reduction is possible although the digital proccessign makes the background sound a bit Sci-Fi.

If the 500 Hz and 250 Hz had equally steep skirts I would chose the 500 Hz filter. Then invest in a good DSP box.

My opinion. Your mileage may vary. - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sun, 30 Jan 2000 23:31:14 GMT
From: "ME Pendergast" <kt4an@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [61681] Qrpers in WNC?
Message-ID: <20000130233114.54490.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hello folks,

I just wondering if there are any qrpers in western North Carolina. I've been searching around for some time and haven't located any. So, I thought I would take the next logical step and check here. I am just interested in hearing about any activities for qrp enthusiasts in this area.

Just made my first dsw-40 contact - North Carolina to Vermont. Great experience! Tahnks for a great little radio, Dave!

73 to all,
Mike kt4an

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sun, 30 Jan 2000 17:31:19 -0600
From: Marty Watt <N5NW@midsouth.rr.com>
To: n6wg@earthlink.net
Cc: qrp-l@lehigh.edu
Subject: [61682] Re: 160m contest period?
Message-ID: <ush99so7aike259eangfclkdh8sl674tbk@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Sun, 30 Jan 2000 14:32:20 -0800, "Bob Tellefsen" <n6wg@earthlink.net> wrote:

>I thought the contest was just last Friday and Sat nights, but looking =
at
>the rules,

>it says 2200Z Jan 29 to 1600Z Jan 31. By my figuring, that would be up =
to
>8AM (PST anyway) Monday morning.
>I've never worked this contest before. Does anyone know if this is =
right?
>Do
>we still get Sunday night to work as well?

The CQ magazine rules are from last year, at least the web version at
<http://www.cq-amateur-radio.com/160rules99.html> I found the other rules =
at
<http://home.sol.no/~janalme/htmlrules/cqwww160.html> which says Jan 28 to =
Jan
30. The "Contest Calendar" at
<http://www.hornucopia.com/contestcal/weeklycont.html> also says Jan 30. =
I'm
curious -- I don't have the magazine, but I'd think that would be =
definitive.

Interesting question ... a couple of sites don't indicate a year. This =
is not
good!

--
Marty, N5NW

-----=

Lakeland (Memphis), Tennessee =
<http://marty.w.tripod.com/>
N5NW@midsouth.rr.com

Date: Sun, 30 Jan 2000 23:35:17 GMT
From: "ME Pendergast" <kt4an@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [61683] Extra class study manual??
Message-ID: <20000130233517.95845.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Anyone have a copy of the Gordon West Extra class study manual (new or used)
that they would like to sell? Want to upgrade before the restructuring
takes place. I will pay face value and shipping. Thanks for the online time.
73 to all,
Mike KT4AN

kt4an@hotmail.com

Get Your Private, Free Email at <http://www.hotmail.com>

End of QRP-L Digest 1716

